2006-08 ACCESSORIES & EQUIPMENT

Wipers/Washers - Civic (All Except Hybrid)

COMPONENT LOCATION INDEX

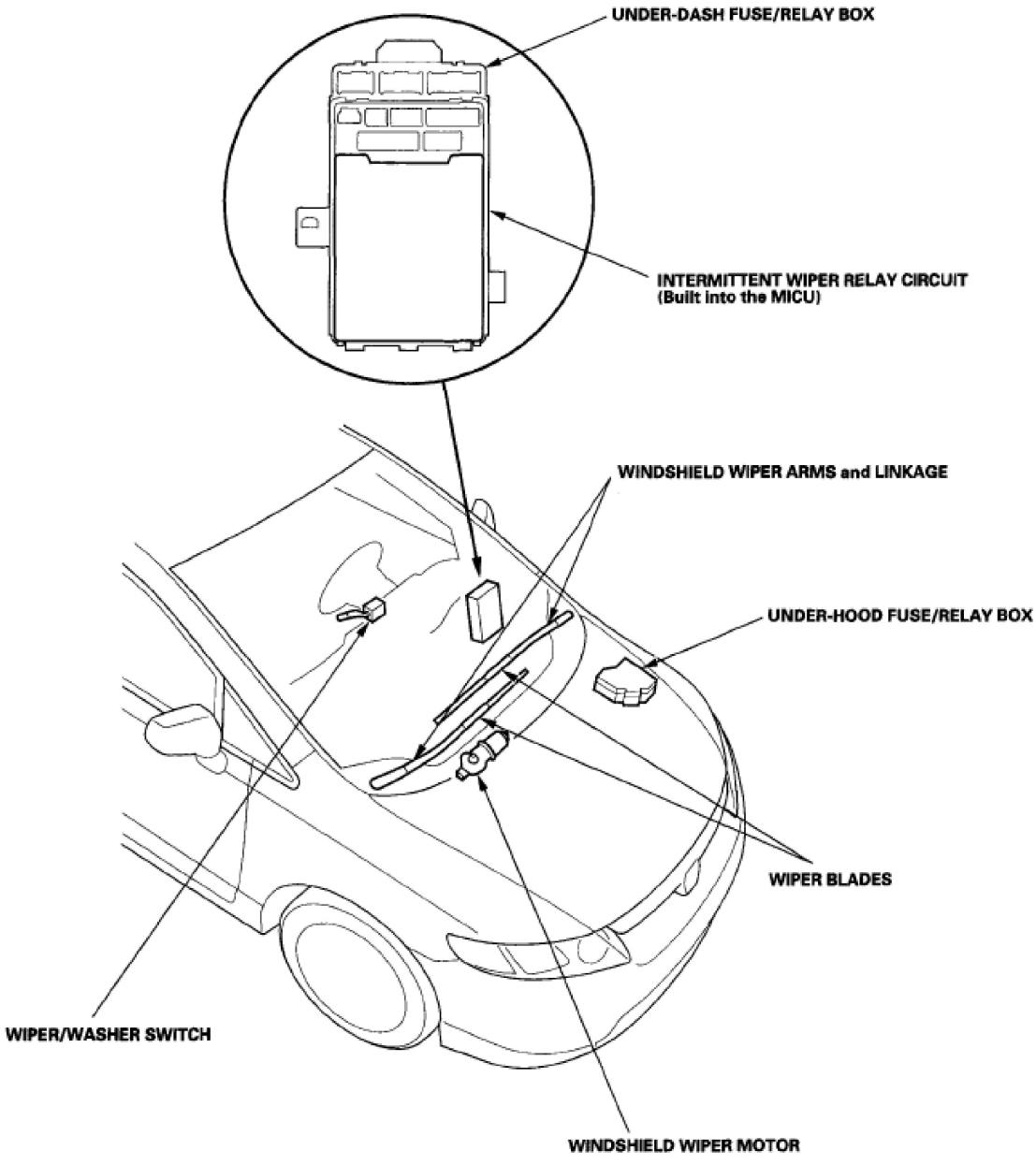

Fig. 1: Locating Wipers/Washers Components (1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

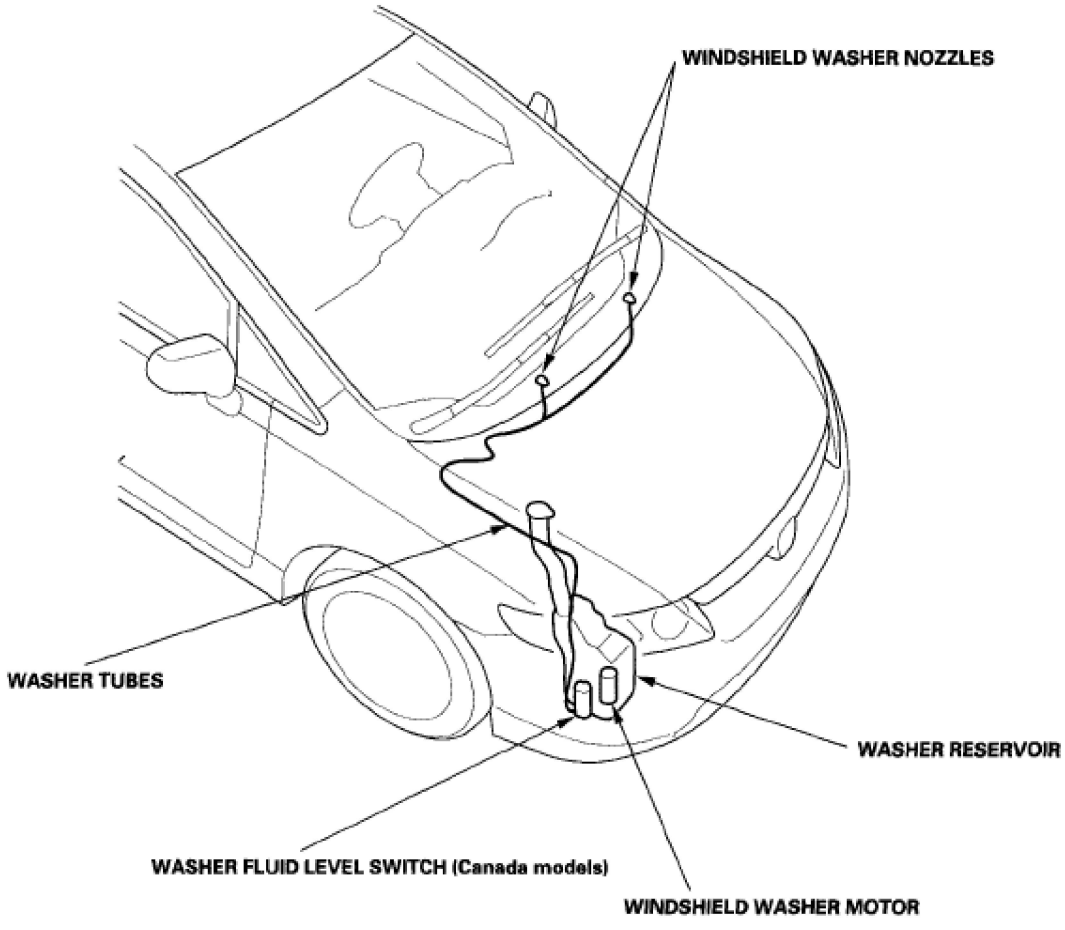

Fig. 2: Locating Wipers/Washer Components (2 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CIRCUIT DIAGRAM

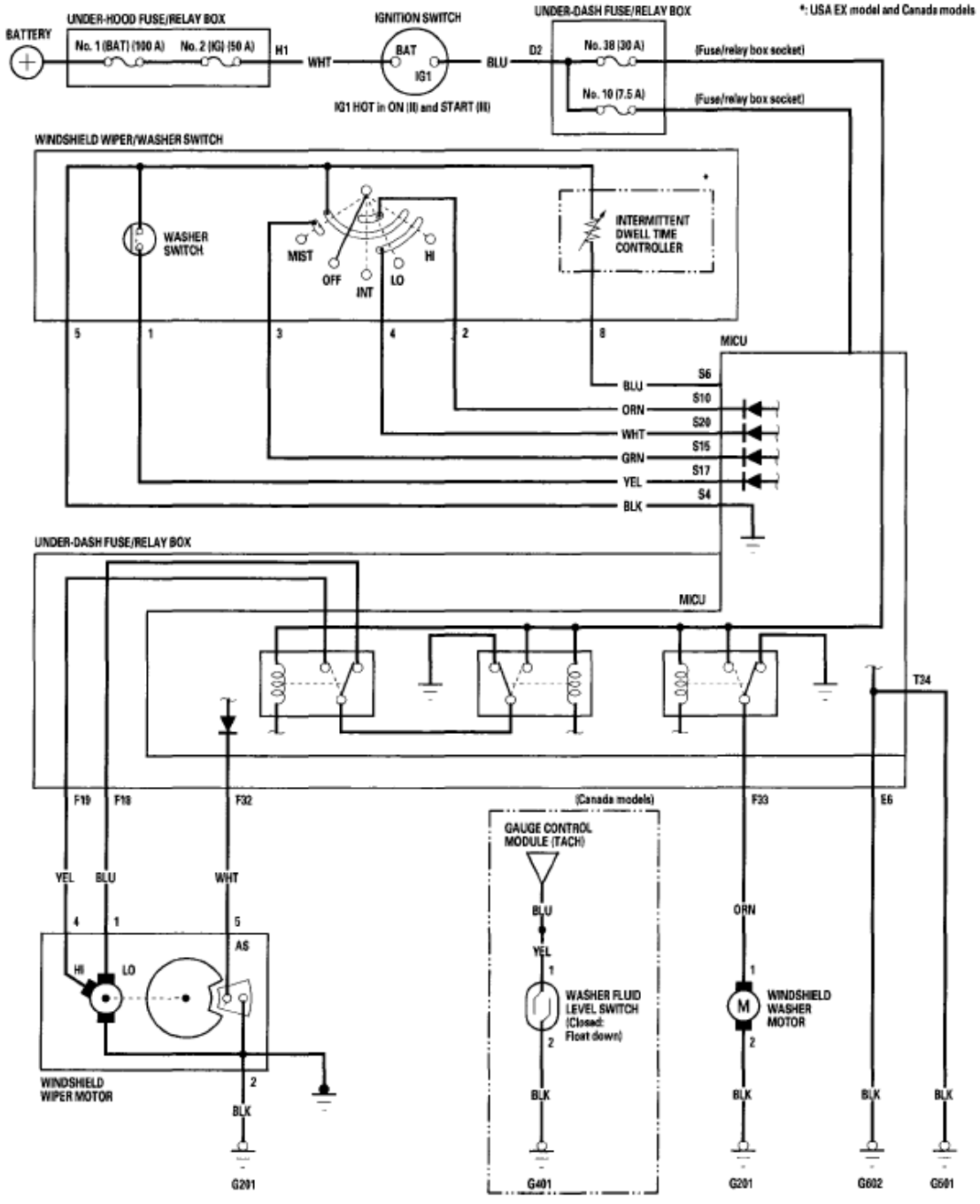

Fig. 3: Wipers/Washers Circuit Diagram
Courtesy of AMERICAN HONDA MOTOR CO., INC.

DTC TROUBLESHOOTING

DTC B1077: WINDSHIELD WIPER (AS) SIGNAL ERROR

NOTE: If you are troubleshooting multiple DTCs, be sure to follow the instructions in B-CAN System Diagnosis Test Mode A (see TROUBLESHOOTING - B-CAN SYSTEM DIAGNOSIS TEST MODE A).

1. Clear the DTCs with the HDS.
2. Turn the ignition switch OFF, and then back ON (II).
3. Turn the wiper switch to LOW or HIGH for at least 15 seconds, then turn the switch OFF.

   Does the windshield wiper motor run normally?

   YES - Go to step 4.

   NO - Go to step 12.

4. Check for DTCs with the HDS.

   Is DTC B1077 indicated?

   YES - Go to step 5.

   NO - Intermittent failure. The windshield wiper system is OK at this time. Check for loose or poor connections.

5. Turn the ignition switch OFF.
6. Do the wiper motor test (see **WIPER/WASHER SWITCH TEST**).

   Does the wiper motor run normally?

   YES - Go to step 7.

   NO - Replace the windshield wiper motor and recheck.

7. Disconnect the under-dash fuse/relay box connector F (34P) and windshield wiper motor 5P connector.
8. Check for continuity between the No. 5 terminal of the windshield wiper motor

5P connector and No. 32 terminal of the under-dash fuse/relay box connector F (34P).

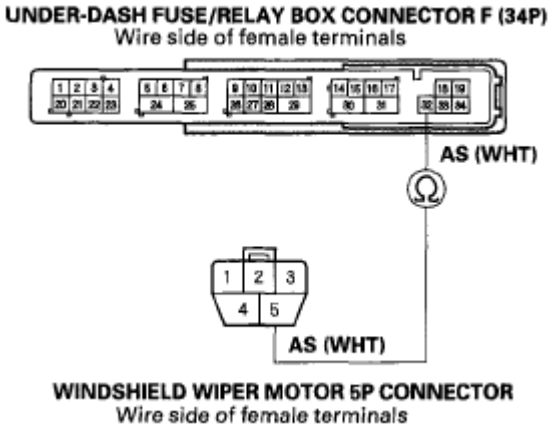

Fig. 4: Checking Continuity Between No. 5 Terminal Of Windshield Wiper Motor 5P Connector And No. 32 Terminal Of Under-Dash Fuse/Relay Box Connector F (34P)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 9.

NO - Repair an open in the WHT wire.

9. Check for continuity between the No. 5 terminal of the windshield wiper motor 5P connector and body ground.

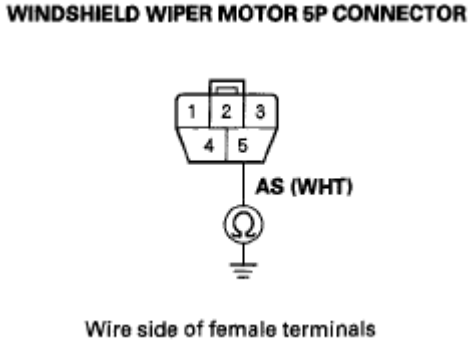

Fig. 5: Checking Continuity Between No. 5 Terminal Of Windshield Wiper Motor 5P Connector And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Repair a short in the WHT wire.

NO - Go to step 10.

10. Turn the ignition switch ON (II).
11. Check for voltage between the No. 5 terminal of the windshield wiper motor 5P connector and body ground.

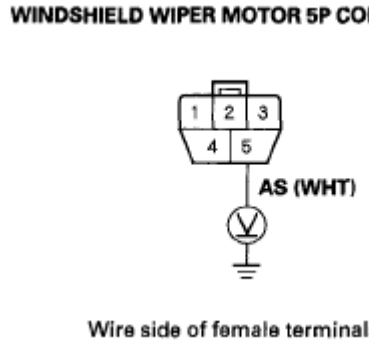

Fig. 6: Checking Voltage Between No. 5 Terminal Of Windshield Wiper Motor 5P Connector And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there voltage?

YES - Repair a short to power in the WHT wire.

NO - Faulty MICU; replace the under-dash fuse/relay box.

12. Turn the ignition switch OFF.
13. Check the No. 38 (30 A) fuse in the under-dash fuse/relay box.

Is the fuse OK?

YES - Go to step 14.

NO - Replace the fuse and recheck the system.

14. Do the wiper motor test (see **WIPER/WASHER SWITCH TEST**).

    Does the wiper motor run normally?

    YES - Go to step 15.

    NO - Replace the windshield wiper motor and recheck.

15. Reconnect the windshield wiper motor 5P connector.
16. Check the voltage between the No. 18 (LO) and No. 19 (HI) terminals of the under-dash fuse/relay box connector F (34P) and body ground with the wiper switch in the corresponding position individually.

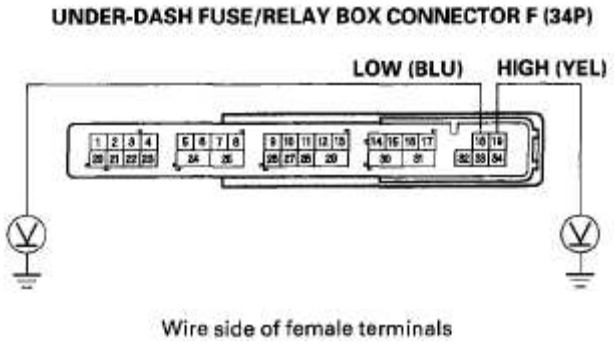

Fig. 7: Checking Voltage Between No. 18 (LO) And No. 19 (HI) Terminals Of Under-Dash Fuse/Relay Box Connector F (34P) And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES - Go to step 17.

NO - Faulty MICU; replace the under-dash fuse/relay box.

17. Check the voltage between the No. 2 terminal of the windshield wiper motor 5P connector and body ground.

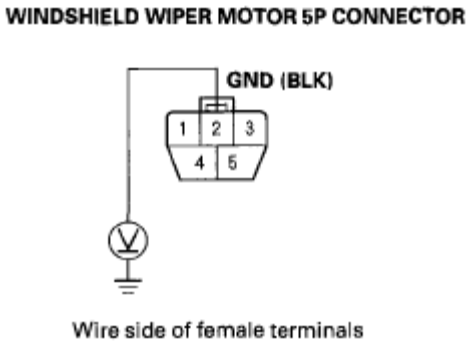

Fig. 8: Checking Voltage Between No. 2 Terminal Of Windshield Wiper Motor 5P Connector And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 1 V?

YES - Repair an open in the BLU (LO) or YEL (HI) wire.

NO - Repair an open in the BLK wire or poor ground (G201).

MICU INPUT TEST

1. Before troubleshooting the wiper/washer system, troubleshoot the B-CAN System Diagnosis Test Mode A (see **TROUBLESHOOTING - B-CAN SYSTEM DIAGNOSIS TEST MODE A**), and check the No. 10 (7.5 A) and No. 38 (30 A) fuses in the under-dash fuse/relay box.
2. Disconnect the under-dash fuse/relay box connectors E, F, S, and T.

NOTE: All connector views are shown from wire side of female terminals.

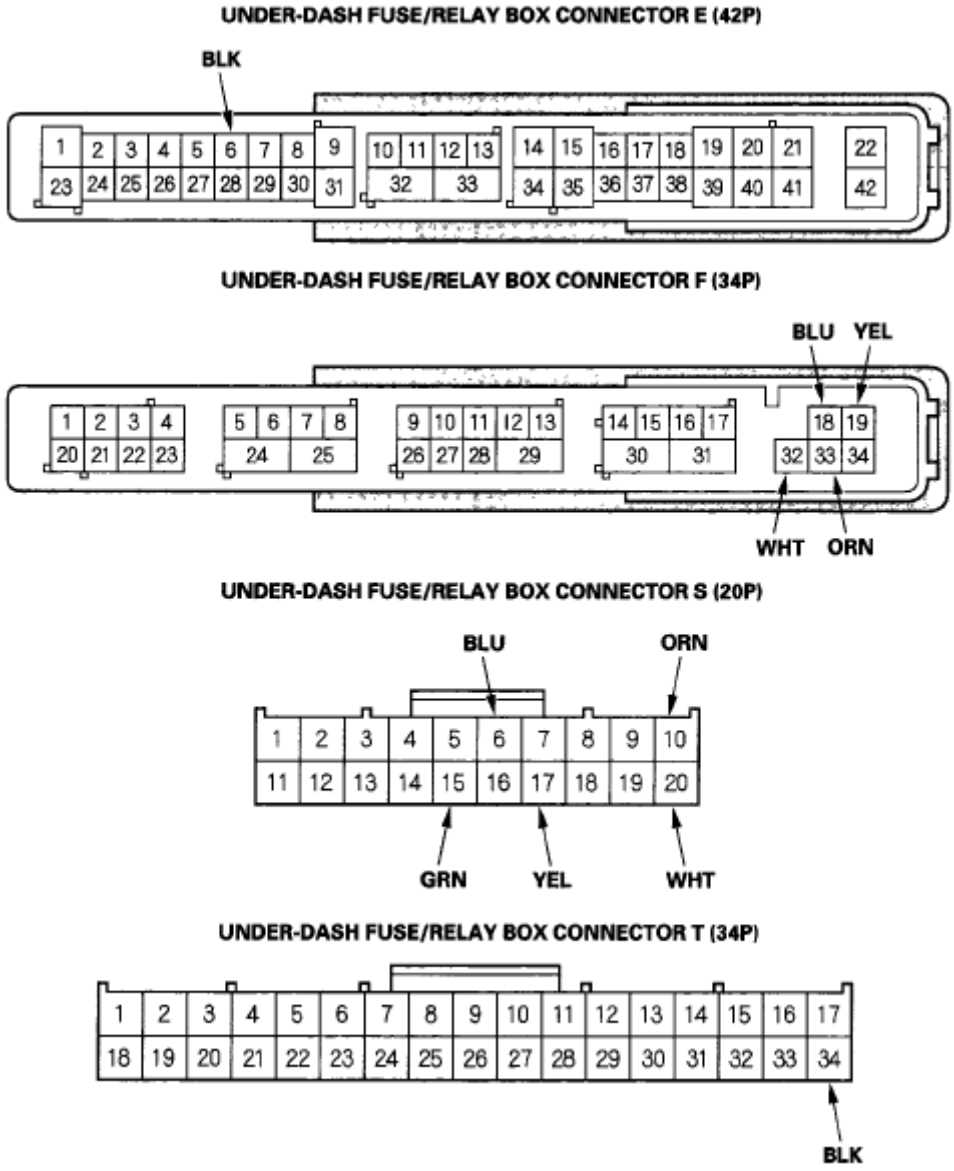

Fig. 9: Identifying Under-Dash Fuse/Relay Box Connectors
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Inspect the connector and socket terminals to be sure they are all making good contact.
   - If the terminals are bent, loose or corroded, repair them as necessary and recheck the system.
   - If the terminals look OK, go to step 4.
4. With the connectors still disconnected, make these input tests at the appropriate connector.

- If any test indicates a problem, find and correct the cause, then recheck the system.
- If all the input tests prove OK, go to step 5.

MICU INPUT TEST (CONNECTORS DISCONNECTED)

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
F18	BLU	Under all conditions	Connect battery power to the F18 terminal: The wiper motor should run at low speed.	• Poor ground (G201) • Faulty windshield wiper motor • An open in the wire
F19	YEL	Under all conditions	Connect battery power to the F19 terminal: The wiper motor should run at high speed.	• Poor ground (G201) • Faulty windshield wiper motor • An open in the wire
F32	WHT	Under all conditions (disconnect the wiper motor 5P connector)	Check for continuity between the F32 terminal and wiper motor 5P connector No. 5 terminal: There should be continuity.	An open in the wire
F33	ORN	Under all conditions	Connect battery power to the F33 terminal: The windshield washer motor should run.	• Poor ground (G201) • Faulty windshield washer motor

				• An open in the wire
S6(1)	BLU	Wiper/washer switch (intermittent dwell timer) turned	Check resistance between S6 and S4 terminals: There resistance should vary from about 0 to 1 kohms.	• Faulty wiper/washer switch • An open in the wire • Short to ground in the wire
(1) USA EX model and Canada models				

5. Reconnect the connectors to the under-dash fuse/relay box, and make these input tests at the connectors.
   - If any test indicates a problem, find and correct the cause, then recheck the system.
   - If all the input tests prove OK, the MICU must be faulty; replace the under-dash fuse/relay box.

MICU INPUT TEST (CONNECTORS RECONNECTED)

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
E6	BLK	Under all conditions	Check for voltage to ground: There should be less than 0.5 V.	• Poor ground (G602) • An open in the wire
T34	BLK	Under all conditions	Check for voltage to ground: There should be less than 0.5 V.	• Poor ground (G501) • An open in the wire
		Ignition switch ON	Check for voltage between S10 and S4	• Faulty wiper/washer

S10	ORN	(II), wiper/washer switch (INT) ON	terminals, and S20 and S4 terminals: There should be less than 1 V.	switch • An open in the wire
		Ignition switch ON (II), wiper/washer switch OFF	Check for voltage between S10 and S4 terminals, and S20 and S4 terminals: There should be 5 V or more.	• Faulty wiper/washer switch • Short to ground in the wire
S15	GRN	Ignition switch ON (II), wiper/washer switch (MIST) ON	Check for voltage between S15 and S4 terminals: There should be less than 1 V.	• Faulty wiper/washer switch • An open in the wire in the wire
		Ignition switch ON (II), wiper/washer switch (MIST) OFF	Check for voltage between S15 and S4 terminals: There should be 5 V or more.	• Faulty wiper/washer switch • Short to ground in the wire
S17	YEL	Ignition switch ON (II), washer switch ON	Check for voltage between S17 and S4 terminals: There should be less than 1 V.	• Faulty wiper/washer switch • An open in the wire
		Ignition switch ON (II), washer switch OFF	Check for voltage between S17 and S4 terminals: There should be 5 V or more.	• Faulty wiper/washer switch • Short to ground in the wire
		Ignition switch ON (II), wiper/washer	Check for voltage between S20 and S4 terminals: There	• Faulty wiper/washer switch

S20	WHT	switch (LOW) ON	should be less than 1 V.	• An open in the wire
		Ignition switch ON (II), wiper/washer switch OFF	Check for voltage between S20 and S4 terminals: There should be 5 V or more.	• Faulty wiper/washer switch • Short to ground in the wire
	WHT	Ignition switch ON (II), wiper/washer switch (HIGH) ON	Check for voltage between S20 and S4 terminals: There should be less than 1 V.	• Faulty wiper/washer switch • An open in the wire
		Ignition switch ON (II), wiper/washer switch OFF	Check for voltage between S20 and S4 terminals: There should be 5 V or more.	• Faulty wiper/washer switch • Short to ground in the wire

WIPER/WASHER SWITCH TEST

1. Remove the wiper/washer switch (see **WIPER/WASHER SWITCH REPLACEMENT**).
2. Disconnect the dashboard wire harness 8P connector (A) from the wiper/washer switch (B).

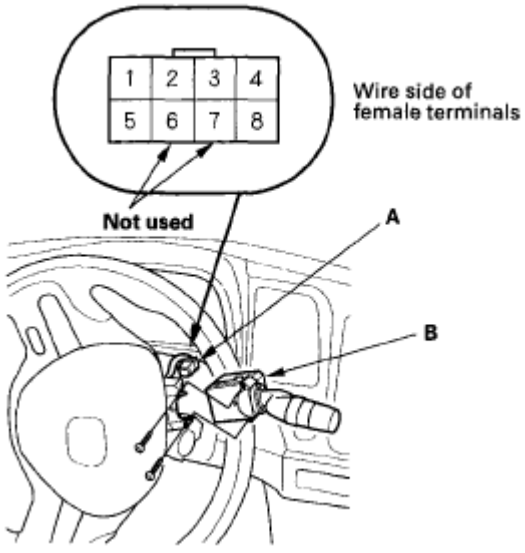

Fig. 10: Disconnecting Dashboard Wire Harness 8P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Check for continuity between the terminals in each switch position according to **Fig. 11** .

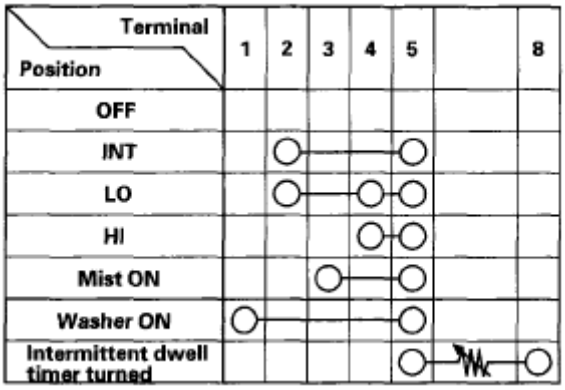

Fig. 11: Checking Continuity Between Wiper/Washer Switch Terminals Table
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. If the continuity is not as specified, replace the switch.

WIPER MOTOR TEST

1. Remove the wiper arms.

- 4-door (see **4-DOOR**)
- 2-door (see **2-DOOR**)

NOTE: Carefully remove the wiper arms so that they do not touch the hood.

2. Remove the hood seal and cowl cover.
3. Disconnect the 5P connector (A) from the wiper motor (B).

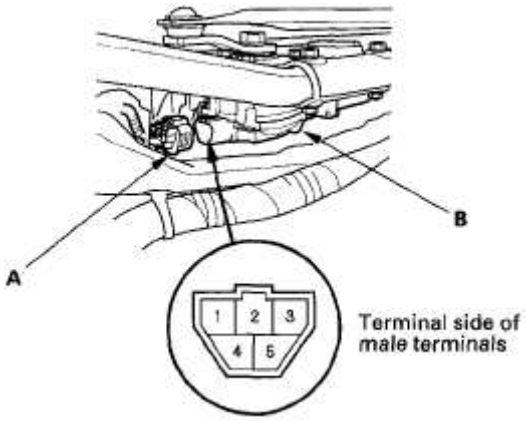

Fig. 12: Disconnecting 5P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Test the motor by connecting battery power to the No. 1 terminal and ground to the No. 2 terminal of the wiper motor 5P connector.

   The motor should run at low speed. If the motor does not run or fails to run smoothly, replace the motor.

5. Test the motor by connecting battery power to the No. 4 terminal and ground to the No. 2 terminal of the wiper motor 5P connector.

   The motor should run at high speed. If the motor does not run, or fails to run smoothly, replace the motor.

6. Connect an analog ohmmeter to the No. 5 and No. 2 terminals, and run the motor at low or high speed. The needle of the ohmmeter should pulse. If it dose not, replace the motor.

WASHER MOTOR TEST

1. Remove the right inner fender.
   - 2-door (see **FRONT INNER FENDER REPLACEMENT**)
   - 4-door (see **4-DOOR**)
2. Disconnect the 2P connector (A) from the washer motor (B).

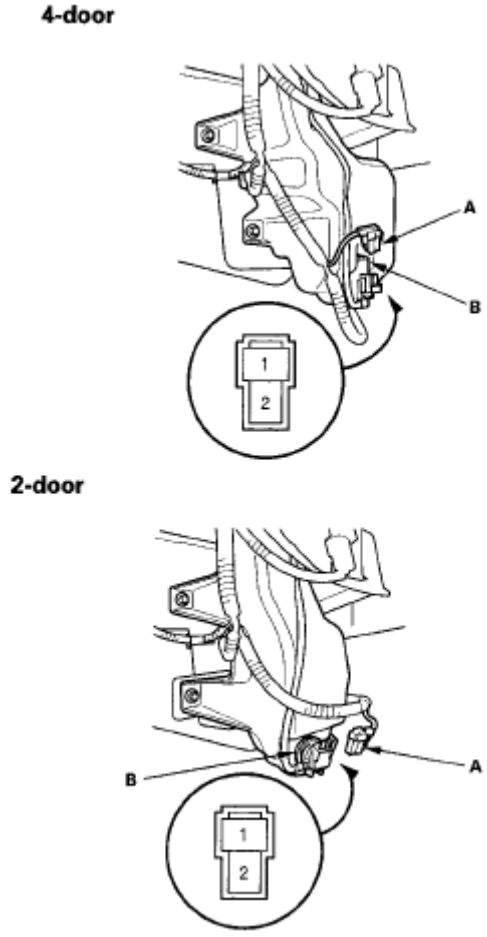

Fig. 13: Disconnecting 2P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Test the motor by connecting battery power to the No. 1 terminal and ground the No. 2 terminal of the washer motor. The motor should run.
   - If the motor does not run, or fails to run smoothly, replace it.
   - If the motor runs smoothly, but little or no washer fluid is pumped, check for a disconnected or blocked washer hose, or a clogged washer motor

outlet.

WASHER FLUID LEVEL SWITCH TEST

CANADA MODELS

1. Remove the right inner fender.
   - 2-door (see **FRONT INNER FENDER REPLACEMENT**)
   - 4-door (see **4-DOOR**)
2. Disconnect the 2P connector (A) from the washer fluid level switch (B).

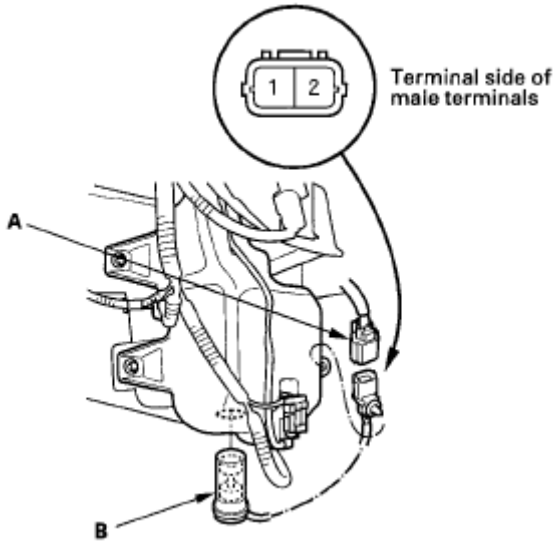

Fig. 14: Disconnecting 2P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the washer fluid level switch from the washer reservoir.

NOTE: Fluid may flow out of the opening.

4. Check for continuity between the No. 1 and No. 2 terminals in each float position.
   - There should be continuity when the float is down.
   - There should be no continuity when the float is up.
5. If the continuity is not as specified, replace the switch.

WIPER MOTOR REPLACEMENT

4-DOOR

1. Open the hood. Remove the caps, nuts (A), and the windshield wiper arms (B).

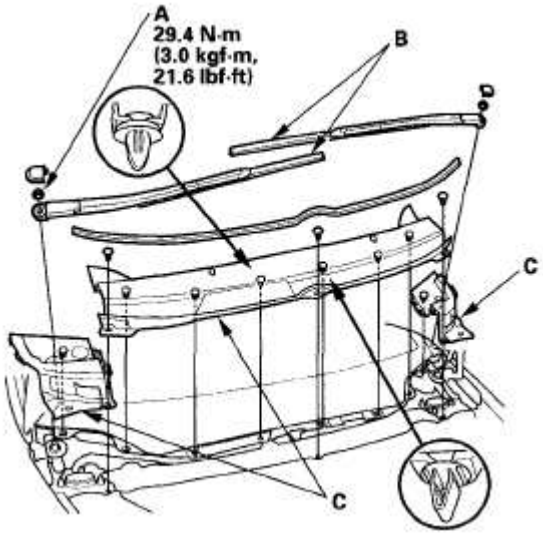

Fig. 15: Removing Windshield Wiper Arms (With Specifications)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the cowl covers (C).
3. Remove the bolts and the under-cowl panel (A).

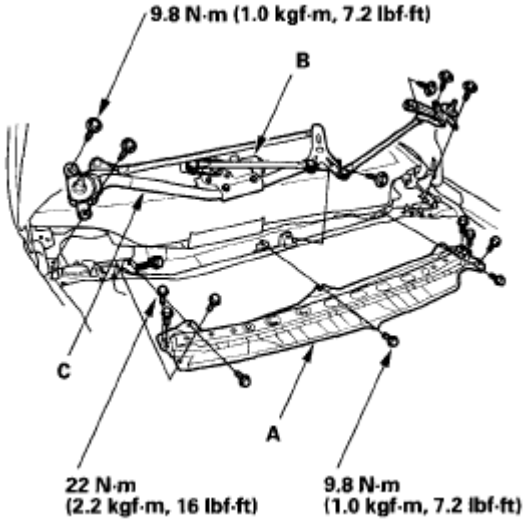

Fig. 16: Removing Under-Cowl Panel (With Specifications)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Disconnect the 5P connector from the wiper motor (B), then remove the six bolts and wiper linkage assembly (C).
5. Make sure the mark (A) on the link (B) is aligned with the mark (C) on the windshield wiper linkage (D).

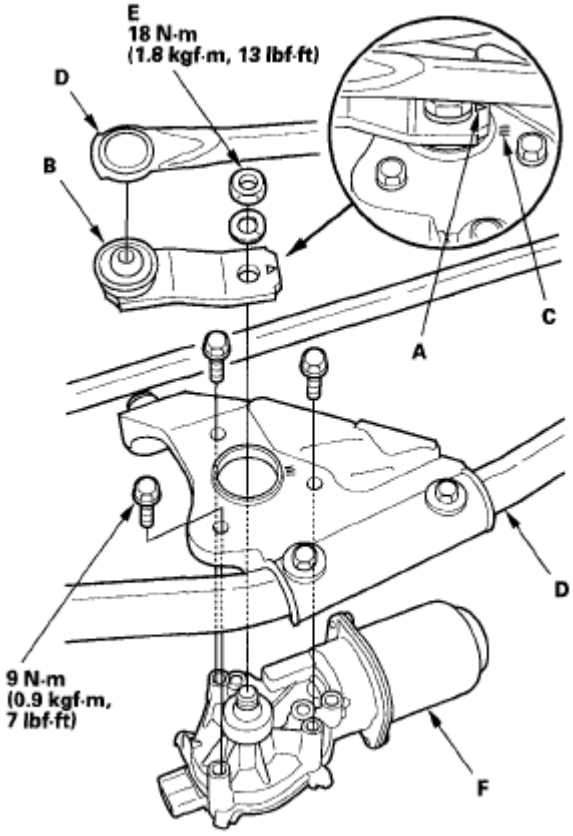

Fig. 17: Aligning Mark On Windshield Wiper Linkage (With Specifications)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Remove the nut (E), and separate the link and windshield wiper linkage.
7. Remove the three bolts, and separate the windshield wiper linkage from the wiper motor (F).
8. Install in the reverse order of removal, and note these items:
   - Align the marks of the link and the linkage to install the linkage with the original adjustment.

- Apply multipurpose grease to the moving parts.
- Before installing the wiper arms, turn the wiper switch ON, then OFF to return the wiper shafts to the park position.
- If necessary, replace any damaged clips.

9. After installation, adjust the wiper arms (see **WIPER ARM/NOZZLE ADJUSTMENT**).

2-DOOR

1. Open the hood. Remove the caps, nuts (A), and the windshield wiper arms (B).

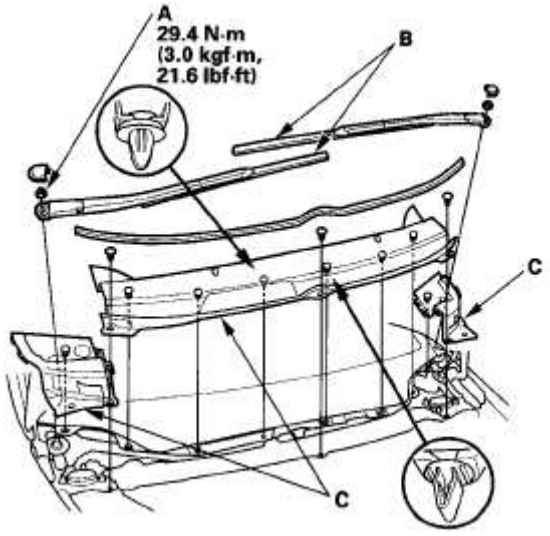

Fig. 18: Removing Windshield Arms (With Specifications)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the cowl covers (C).
3. Remove the bolts and the under-cowl panel (A).

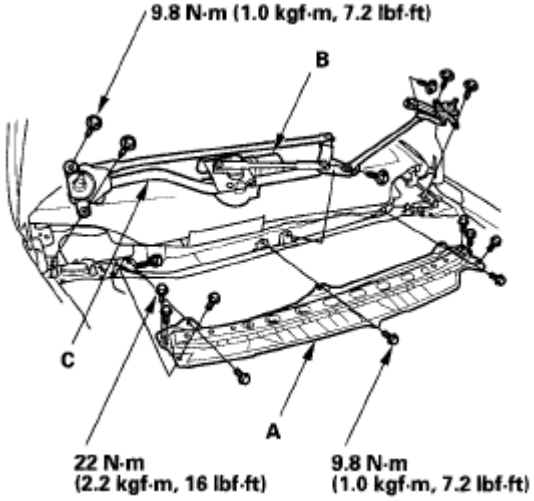

Fig. 19: Removing Under-Cowl Panel (With Specifications)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Disconnect the 5P connector from the wiper motor (B), then remove the six bolts and wiper linkage assembly (C).
5. Make sure the mark (A) on the link (B) is aligned with the mark (C) on the windshield wiper linkage (D).

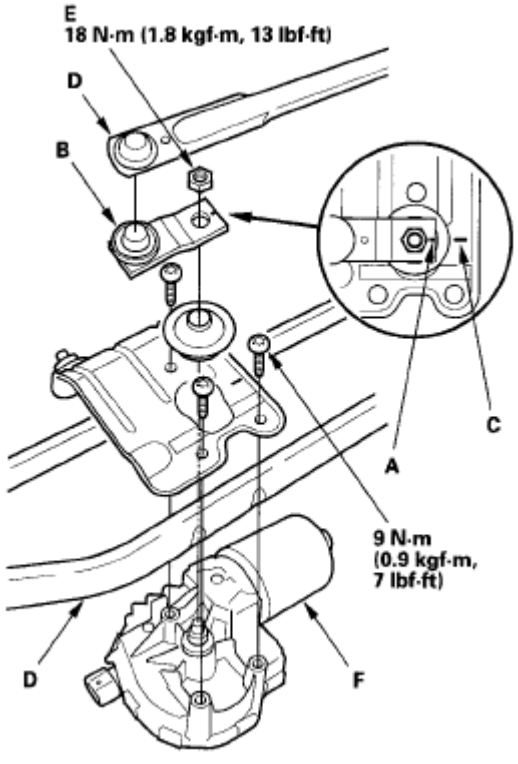

Fig. 20: Aligning Mark On Windshield Wiper Linkage (With Specifications)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. Remove the nut (E), and separate the link and windshield wiper linkage.
7. Remove the three bolts, and separate the windshield wiper linkage from the wiper motor (F).
8. Install in the reverse order of removal, and note these items:
   - Align the marks of the link and the linkage to install the linkage with the original adjustment.
   - Apply multipurpose grease to the moving parts.
   - Before installing the wiper arms, turn the wiper switch ON, then OFF to return the wiper shafts to the park position.
   - If necessary, replace any damaged clips.
9. After installation, adjust the wiper arms (see **WIPER ARM/NOZZLE ADJUSTMENT**).

WIPER/WASHER SWITCH REPLACEMENT

1. Remove the dashboard lower cover (see **DRIVER'S DASHBOARD LOWER COVER REMOVAL/INSTALLATION**).
2. Remove the steering column covers (see **STEERING COLUMN REMOVAL AND INSTALLATION**).
3. Disconnect the dashboard wire harness 8P connector (A) from the wiper/washer switch (B).

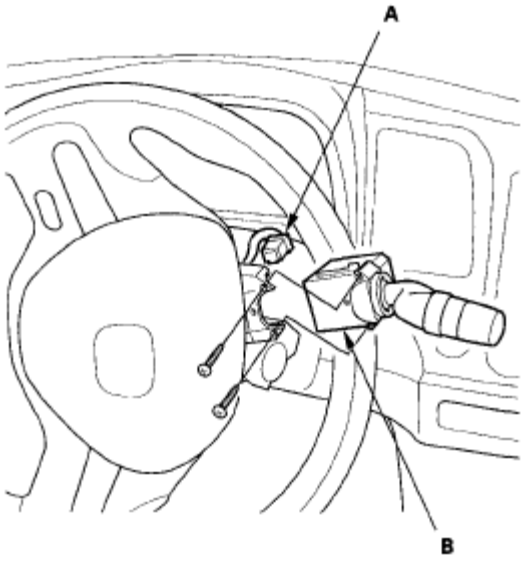

Fig. 21: Disconnecting Dashboard Wire Harness 8P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Remove the two screws, then slide out the wiper/washer switch.
5. Install the switch in the reverse order of removal.

WASHER RESERVOIR REPLACEMENT

1. Remove the right inner fender.
   - 2-door (see **FRONT INNER FENDER REPLACEMENT**)
   - 4-door (see **4-DOOR**)
2. Disconnect the 2P connector(s) (A) from the windshield washer motor (B) and the washer fluid level switch*.

   *: Canada models

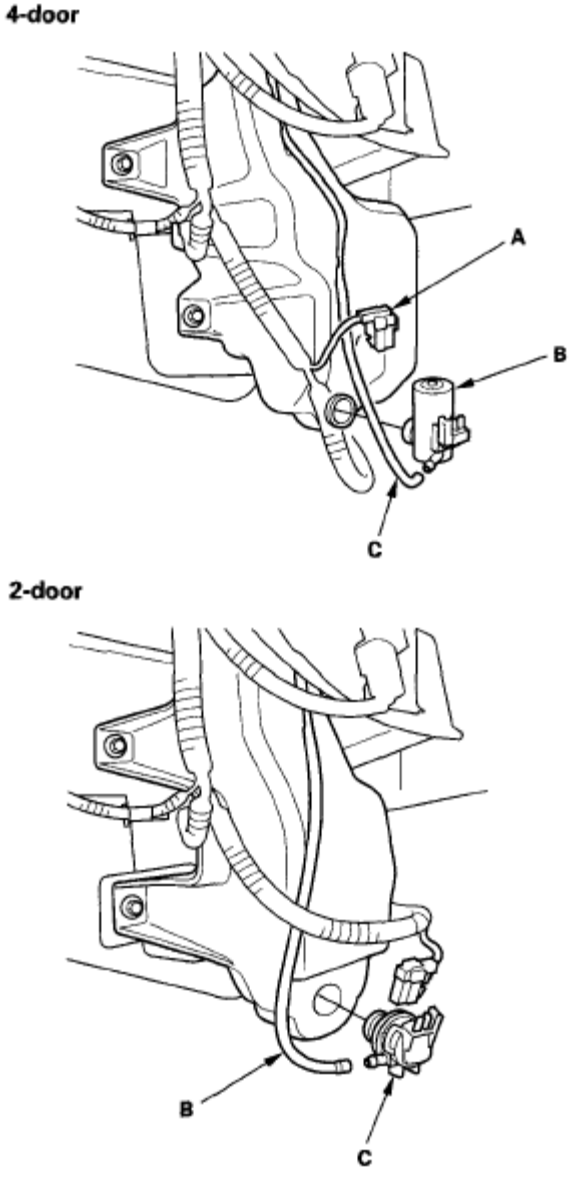

Fig. 22: Disconnecting 2P Connector(s)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the windshield washer tube (C).
4. Remove the bolts (A) and the clip (B), then remove the washer reservoir.

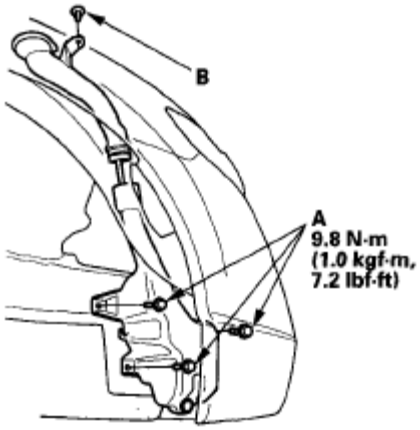

Fig. 23: Removing Washer Reservoir (With Specifications)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Install in the reverse order of removal.

WIPER BLADE REPLACEMENT

4-DOOR

1. Lift the wiper arm off the windshield, raising the driver's side first, then the passenger's side.
2. Remove the cover (A), by squeezing the two tabs and pulling it straight out.

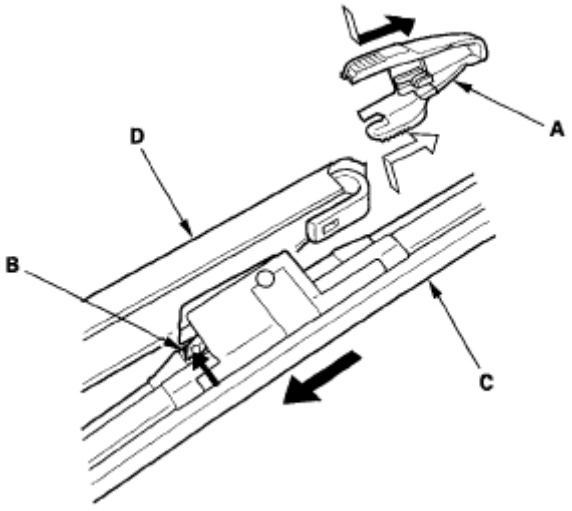

Fig. 24: Removing Cover
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Press and hold the tab (B) and slide the wiper blade (C) toward the tabs until it releases from the wiper arm (D).
4. Find the side of the blade labeled "LOCK" (A), then pull back the end of the blade and slide out the old rubber (B).

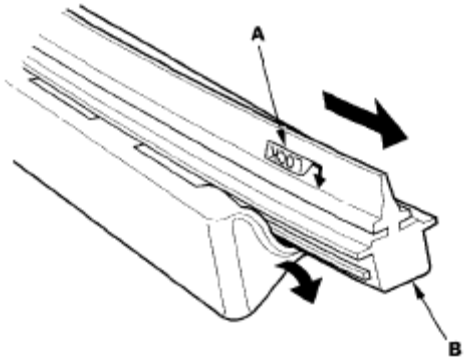

Fig. 25: Identifying "LOCK" Blade Label
Courtesy of AMERICAN HONDA MOTOR CO., INC.

5. Install a new rubber in the reverse order of removal.
6. Install the wiper blades onto the windshield wiper arms in the reverse order of removal.
7. Test by turning on the wipers. If the blades slip, turn off the wipers and seat the attachments more firmly.

2-DOOR

1. Pull up the wiper arms from the windshield.
2. Push the tab (A) and remove the wiper blade (B) from the wiper arm (C).

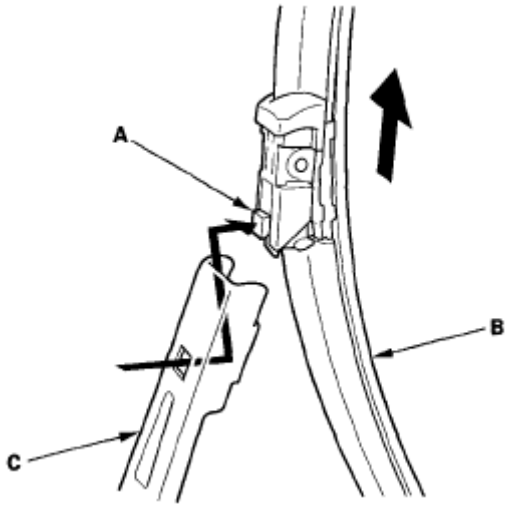

Fig. 26: Removing Wiper Blade
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the stopper (A), then pull and remove the old rubber (B).

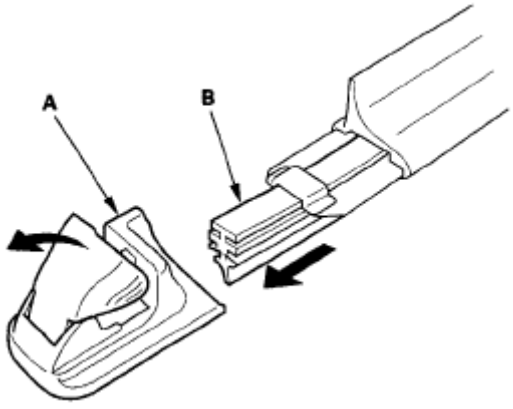

Fig. 27: Removing Stopper
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Install a new rubber in the reverse order of removal.
5. Install the wiper blades onto the windshield wiper arms in the reverse order of removal.
6. Test by turning on the wipers. If the blades slip, turn off the wipers and seat the attachments more firmly.

WIPER ARM/NOZZLE ADJUSTMENT

Wiper arms stop position

1. When the wiper arms stop at the automatic stop position, confirm that they are at the standard position.

2-door

a: Position at about 1.1 in. (29 mm) from the top of cowl cover (A)

b: Position at about 4.1 in. (106 mm) from the top of cowl cover (A)

4-door

a: Position at about 0.9 in. (23 mm) from the top of cowl cover (A)

b: Position at about 3.8 in. (96 mm) from the top of cowl cover (A)

Washer nozzle position

2. When you turn on the washers, confirm 50% or more of the washer fluid lands within the spray area. If the spray area is not within the standard positions, adjust the nozzles.

2-door

c: Position at about 11.8 in. (302 mm) from the top of the black ceramic area (B) at the lower windshield

d: Position at about 11.8 in. (302 mm) from the top of the black ceramic area (B) at the lower windshield

e: Position at about 9.8 in. (250 mm) from the windshield center line (C)

4-door

c: Position at about 7.6 in. (192 mm) from the top of the black ceramic area (B) at the lower windshield

d: Position at about 7.6 in. (192 mm) from the top of the black ceramic area (B) at the lower windshield

e: Position at about 9.8 in. (250 mm) from the windshield center line (C)

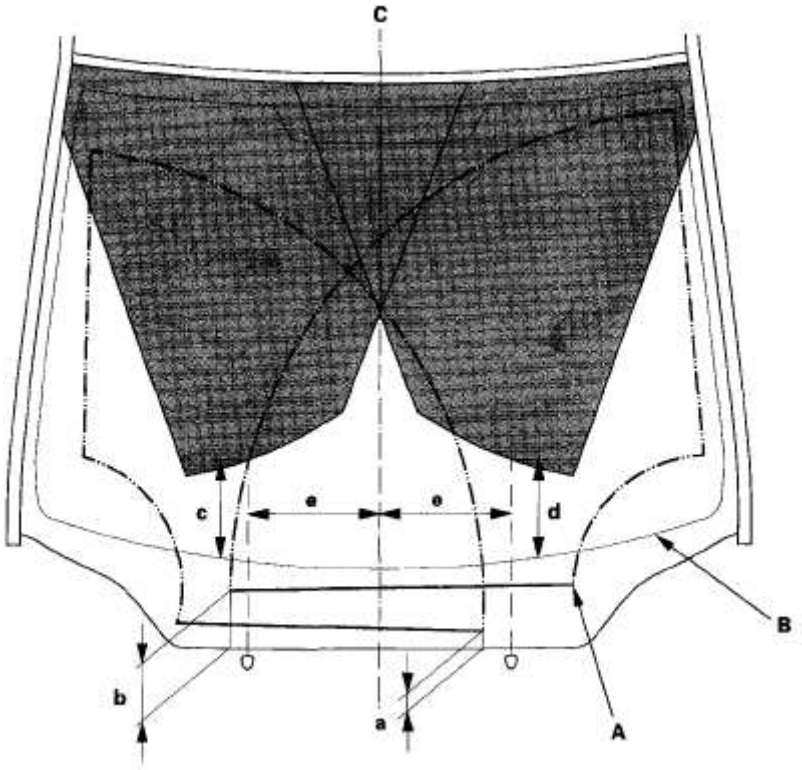

Fig. 28: Adjusting Wiper Arm/Nozzle
Courtesy of AMERICAN HONDA MOTOR CO., INC.

WASHER TUBE REPLACEMENT

1. Remove the right inner fender.
   - 2-door (see **FRONT INNER FENDER REPLACEMENT**)
   - 4-door (see **4-DOOR**)
2. Remove the washer nozzles and clips, then remove the tubes.

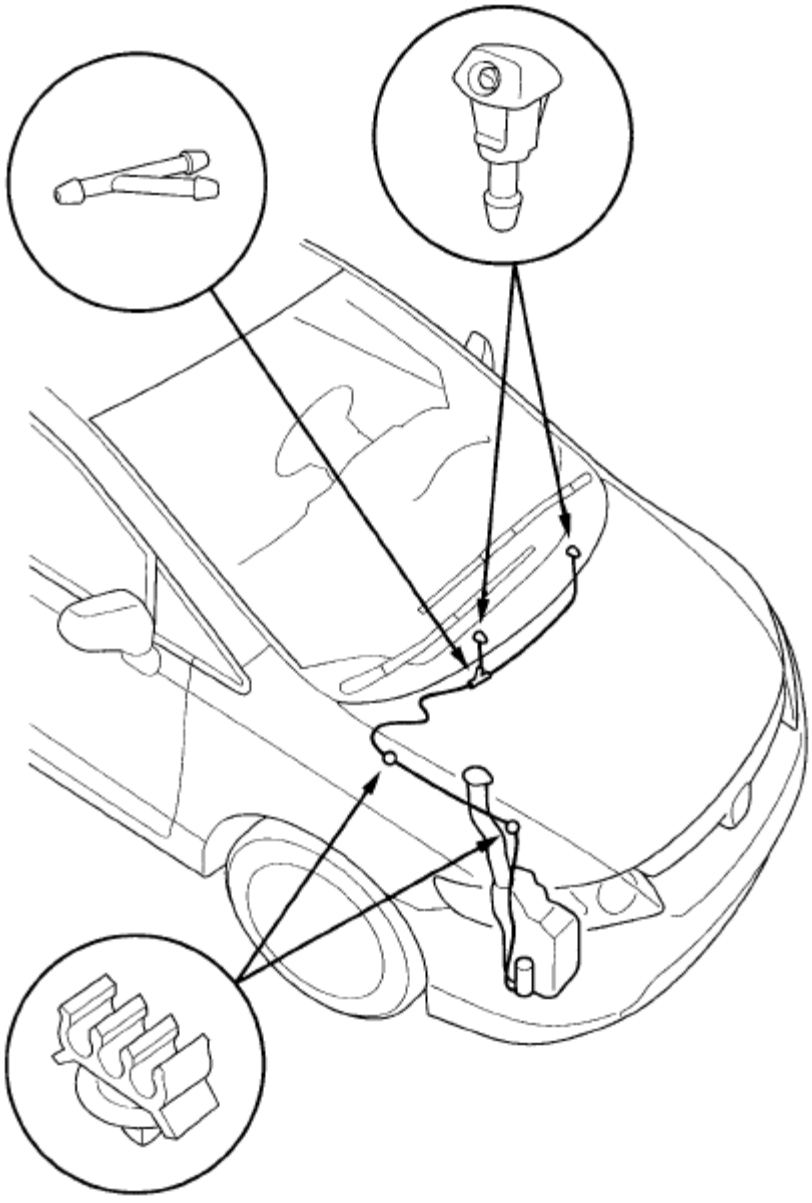

Fig. 29: Removing Washer Nozzles And Clips
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Install in the reverse order of removal. Take care not to pinch the washer tube. Check the windshield washer operation.